

RAYNOR

WOOD SECTIONAL OVERHEAD DOORS

RAYNOR MANUFACTURING COMPANY • DIXON, ILLINOIS • HAMMONTON, NEW JERSEY



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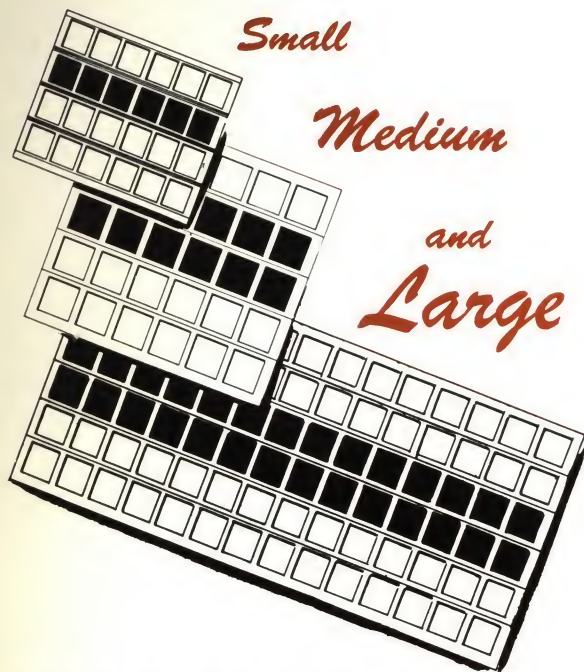
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Framing & Jamb Details

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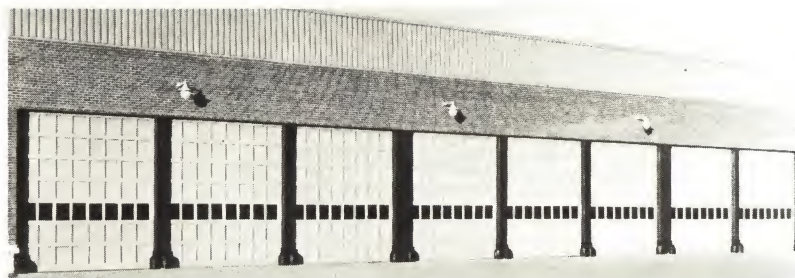
Raynor Features



RAYNOR COMMERCIAL AND INDUSTRIAL DOORS ARE ENGINEERED AND BUILT TO FIT THE OPENING

The precision construction of Raynor Doors has been developed through years of experience in the building of Wood Sectional Overhead Door Equipment. All sections and hardware are fabricated complete in Raynor Manufacturing Company's own plants thus perfectly coordinated construction is assured at all times.

Such customized construction guarantees the continued operating satisfaction and permanent beauty every Wood Sectional Overhead Door installation deserves.



RAYNOR ASSURES THE PERFECT DOOR FOR EVERY RESIDENTIAL INSTALLATION BY OFFERING A COMPLETE LINE OF STANDARD PLAIN PANEL, CARVED PANEL AND FLUSH SECTION DOORS.

An outstanding example of Raynor Manufacturing Company's aggressiveness in the designing and building of Wood Sectional Overhead Door Equipment is the Raynor Carved Panel Door.

In originating this beauty of all doors, Raynor established a trend for the entire Wood Sectional Overhead Door Industry.

Advanced thinking and leadership, as displayed by the builders of Raynor Wood Sectional Overhead Doors, is further assurance you are installing the finest when it is a Raynor Standard Plain Panel, Carved Panel or Flush Section Door.

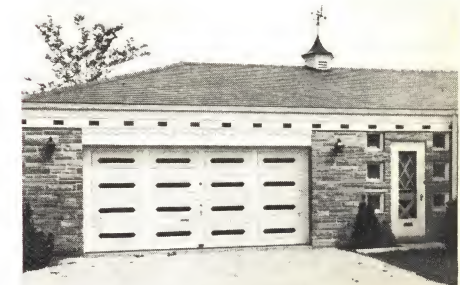
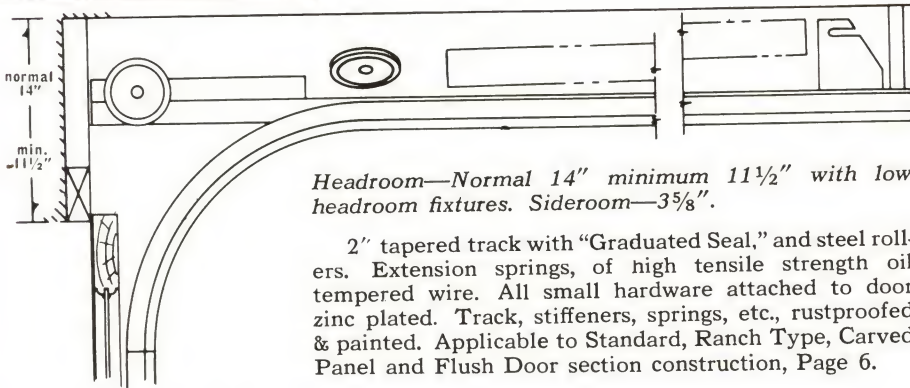
Two Car Residential • Hardware

**TWO CAR
RESIDENTIAL DOORS**

**4d
Ra**

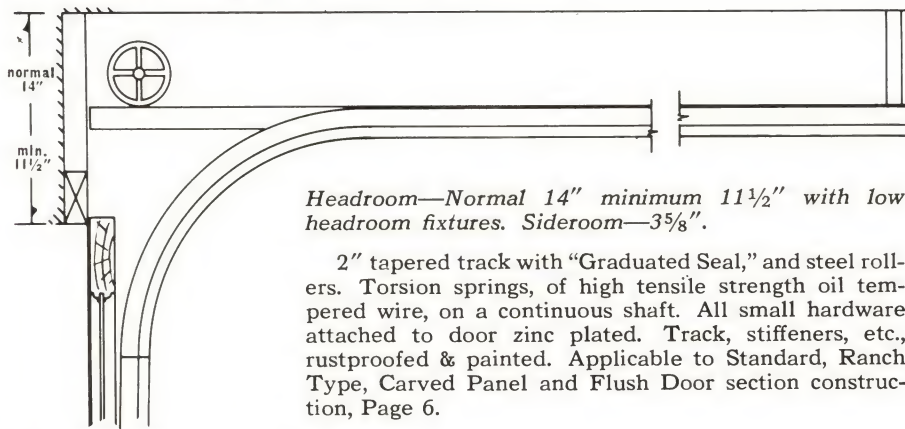
MODEL R-120

Extension Spring



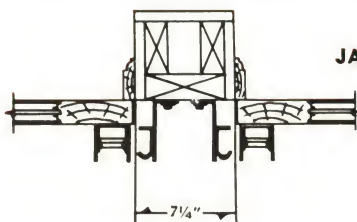
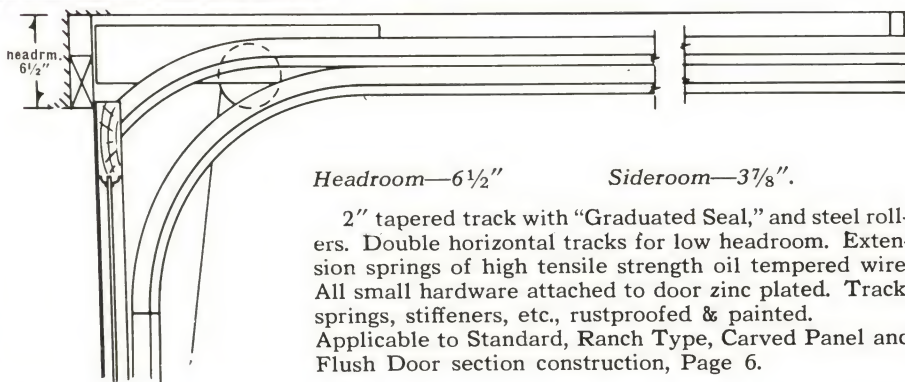
MODEL T-12

Torsion Spring

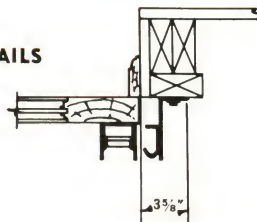


MODEL RL-65

Low Headroom

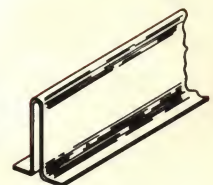


JAMB DETAILS



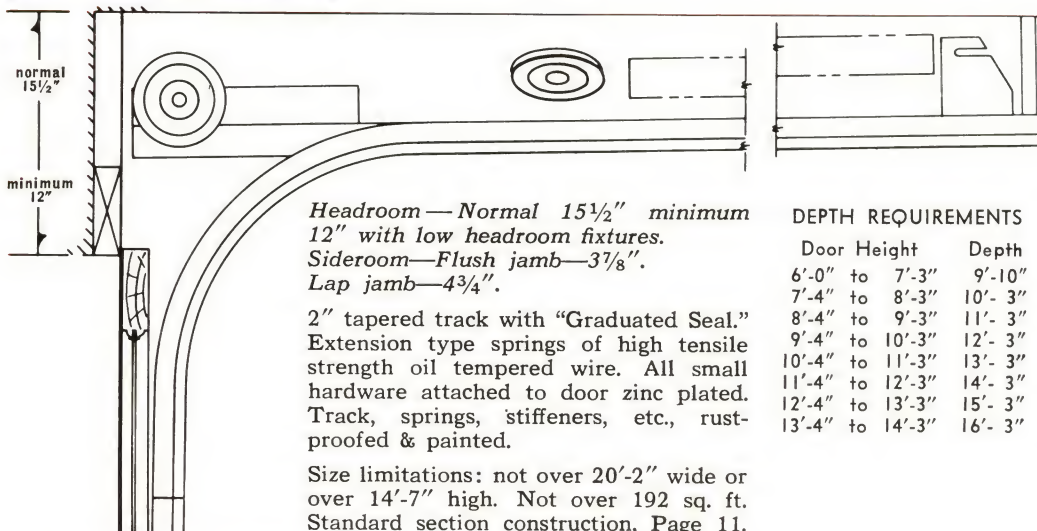
U-BAR STIFFENER

All two car doors are reinforced with 2 5/8" deep U-bar. Doors over 16'-0" wide are equipped with special truss to prevent vertical sag.



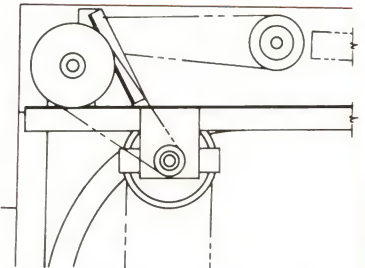
MODEL 120

Extension Spring



DEPTH REQUIREMENTS

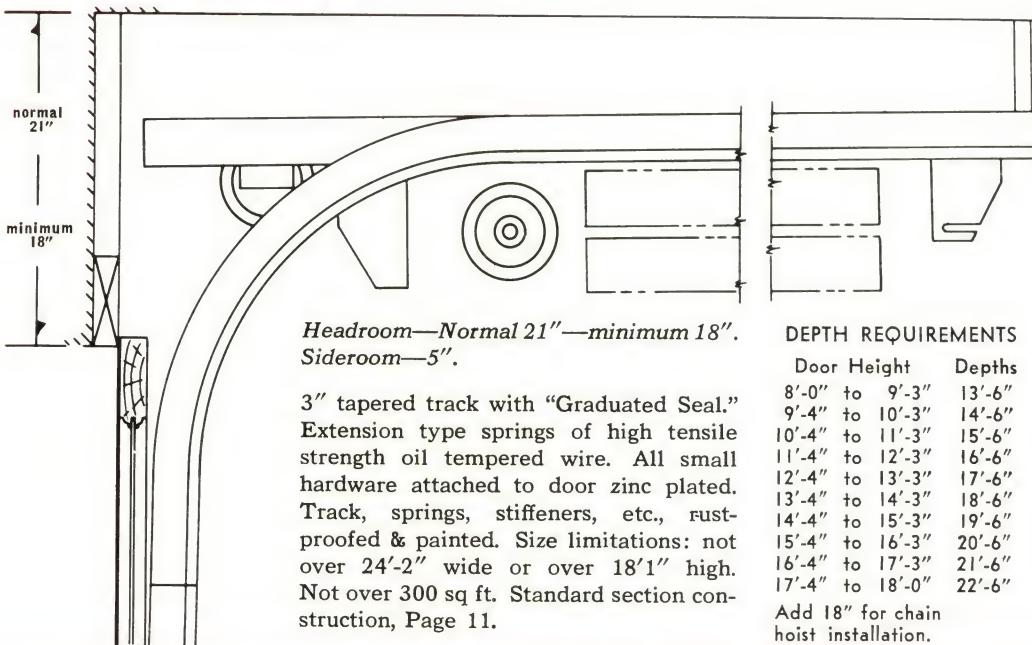
Door Height	Depth
6'-0" to 7'-3"	9'-10"
7'-4" to 8'-3"	10'-3"
8'-4" to 9'-3"	11'-3"
9'-4" to 10'-3"	12'-3"
10'-4" to 11'-3"	13'-3"
11'-4" to 12'-3"	14'-3"
12'-4" to 13'-3"	15'-3"
13'-4" to 14'-3"	16'-3"



CHAIN HOIST TYPE "A"
Reduction Ratio, 3:1

MODEL 210

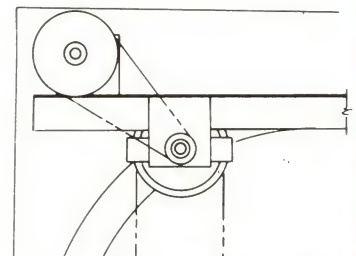
3" Track Extension Spring



DEPTH REQUIREMENTS

Door Height	Depths
8'-0" to 9'-3"	13'-6"
9'-4" to 10'-3"	14'-6"
10'-4" to 11'-3"	15'-6"
11'-4" to 12'-3"	16'-6"
12'-4" to 13'-3"	17'-6"
13'-4" to 14'-3"	18'-6"
14'-4" to 15'-3"	19'-6"
15'-4" to 16'-3"	20'-6"
16'-4" to 17'-3"	21'-6"
17'-4" to 18'-0"	22'-6"

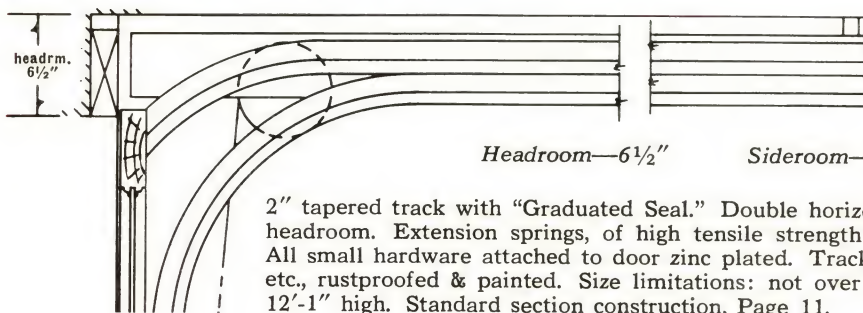
Add 18" for chain hoist installation.



CHAIN HOIST TYPE "B"
Reduction Ratio, 3:1

MODEL L-65

Low Headroom

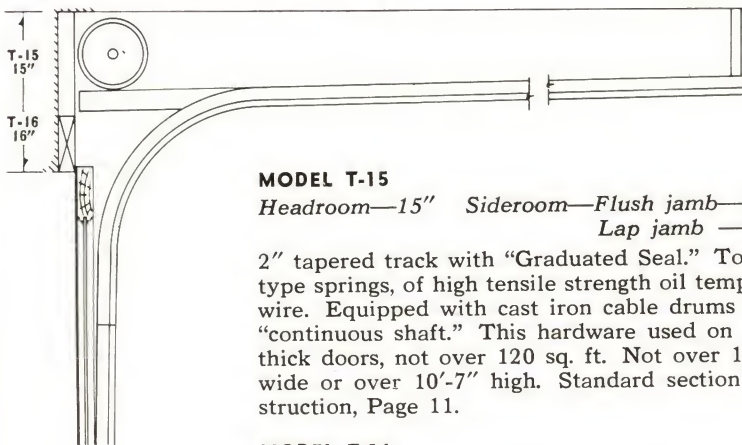


DEPTH REQUIREMENTS

Door Height	Depths
6'-0" to 7'-9"	10'-3"
7'-10" to 9'-3"	11'-3"
9'-4" to 10'-3"	12'-3"
10'-4" to 11'-3"	13'-3"
11'-4" to 12'-0"	14'-3"

MODEL T-15 & T-16

Torsion Spring—Regular Lift



MODEL T-15

Headroom—15" Sideroom—Flush jamb— $3\frac{5}{8}$ "
Lap jamb — $4\frac{1}{2}$ "

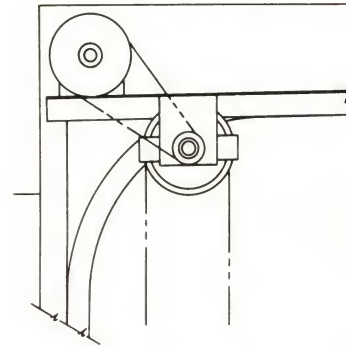
2" tapered track with "Graduated Seal." Torsion type springs, of high tensile strength oil tempered wire. Equipped with cast iron cable drums on a "continuous shaft." This hardware used on $1\frac{3}{4}$ " thick doors, not over 120 sq. ft. Not over 12'-2" wide or over 10'-7" high. Standard section construction, Page 11.

MODEL T-16

Headroom—16" Sideroom—Flush jamb— $3\frac{5}{8}$ "
Lap jamb — $4\frac{1}{2}$ "

2" tapered track with "Graduated Seal." Torsion type springs, of high tensile strength oil tempered wire. Equipped with cast iron cable drums on a "continuous shaft." This hardware used on doors not over 240 sq. ft. not over 20'-2" wide or over 16'-1" high. Standard section construction, Page 11.

CHAIN HOIST TYPE "C" Reduction Ratio, 3:1

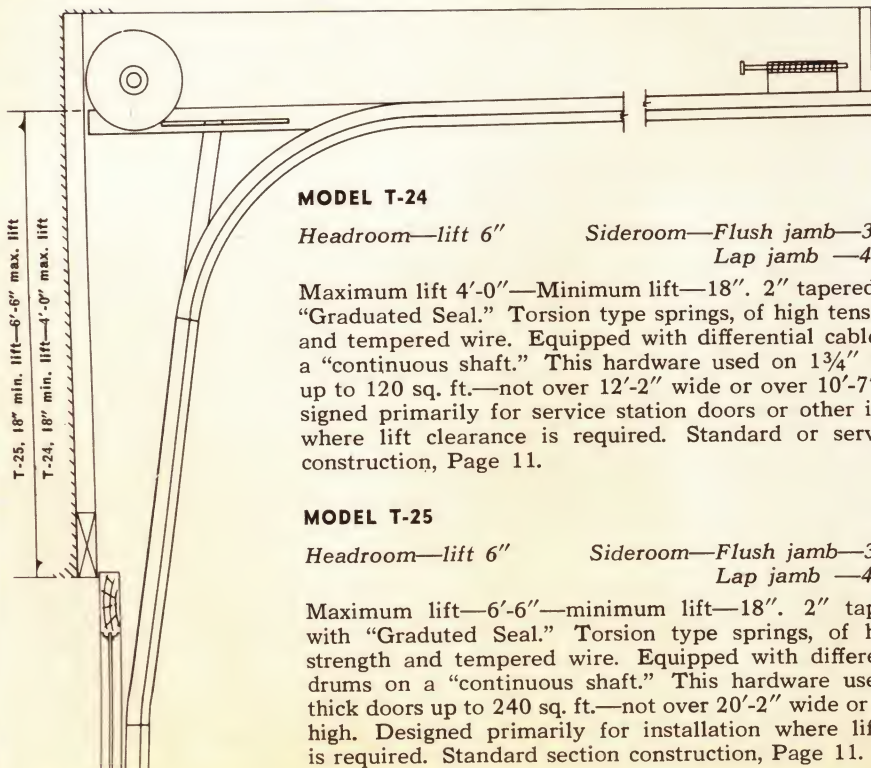


DEPTH REQUIREMENTS

Door Height	Depth
6'-0" to 7'-3"	9'-10"
7'-4" to 8'-3"	10'-3"
8'-4" to 9'-3"	11'-3"
9'-4" to 10'-3"	12'-3"
10'-4" to 11'-3"	13'-3"
11'-4" to 12'-3"	14'-3"
12'-4" to 13'-3"	15'-3"
13'-4" to 14'-3"	16'-3"
14'-4" to 15'-3"	17'-3"
15'-4" to 16'-0"	18'-3"

MODEL T-24 & T-25

Torsion Spring—Hy-Lift



MODEL T-24

Headroom—lift 6" Sideroom—Flush jamb— $3\frac{5}{8}$ "
Lap jamb — $4\frac{1}{2}$ "

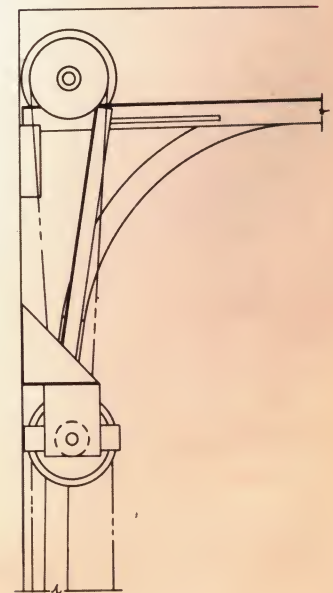
Maximum lift 4'-0"—Minimum lift—18". 2" tapered track with "Graduated Seal." Torsion type springs, of high tensile strength and tempered wire. Equipped with differential cable drums on a "continuous shaft." This hardware used on $1\frac{3}{4}$ " thick doors up to 120 sq. ft.—not over 12'-2" wide or over 10'-7" high. Designed primarily for service station doors or other installations where lift clearance is required. Standard or service station construction, Page 11.

MODEL T-25

Headroom—lift 6" Sideroom—Flush jamb— $3\frac{5}{8}$ "
Lap jamb — $4\frac{1}{2}$ "

Maximum lift—6'-6"—minimum lift—18". 2" tapered track with "Graduated Seal." Torsion type springs, of high tensile strength and tempered wire. Equipped with differential cable drums on a "continuous shaft." This hardware used on $1\frac{3}{4}$ " thick doors up to 240 sq. ft.—not over 20'-2" wide or over 16'-1" high. Designed primarily for installation where lift clearance is required. Standard section construction, Page 11.

CHAIN HOIST TYPE "D" Reduction Ratio, 3:1



FOR FRAMING & JAMB DETAILS SEE PAGE 12

MODEL VL-22

Vertical Lift

Headroom—
 Normal—Door Height 22"
 Minimum—
 Door Height 16"
 Sideroom—4½"

2" tapered track with "Graduated Seal." Torsion springs of high tensile strength oil tempered wire. All small hardware attached to door zinc plated. Track, stiffeners, etc., rustproofed & painted.

Designed for installation where the door is required to be raised in a vertical position. Size limitations: not over 150 sq. ft. or over 12'-1" high. Standard section construction, Page 11.

For Framing & Jamb Details See Page 12

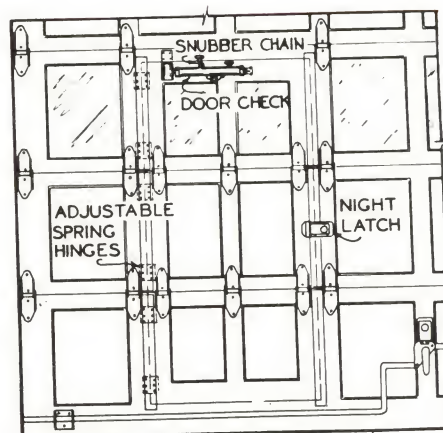
QUICK RELEASE CLUTCH

(for chain hoist—electric operator combination)

Applicable to all types of chain hoists when used in conjunction with electric operators. The mechanism engages the hand chain wheel to the Jackshaft, allowing manual operation in the event of power or operator failure.

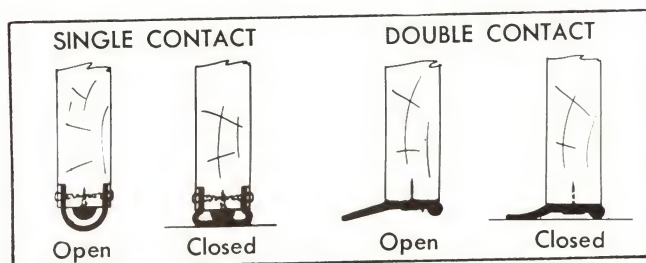
RAYNOR ACCESSORIES

PASS DOORS



Pass doors can be furnished in doors up to 18' wide with wood bottom rails. Doors 14' to 18' wide are equipped with center support track. Pass doors can be furnished in doors up to 16' wide with steel bottom rail. Doors 12' to 16' wide are equipped with center support track.

ASTRAGAL



Rubber astragal is available to seal the bottom of the door against rain and snow. Astragal cushions the closing of the door and forms itself to fit any unevenness in the floor. Astragal is necessary on all flush doors. Two types are available as illustrated.

CENTER SUPPORT TRACK (FOR MODELS 210, 120, T-16)

Headroom—None additional
 Sideroom—8"

The center Support Track is designed to eliminate horizontal sag in the door while in an open position. The weight of the door is evenly distributed on the center track by center rollers attached to each section. The support track is required on all doors over 20' wide and over 14' wide with a pass door (12' wide with steel bottom rail).

RAYNOR MANUFACTURING COMPANY

Commercial & Industrial • Section Construction

COMMERCIAL &
INDUSTRIAL DOORS

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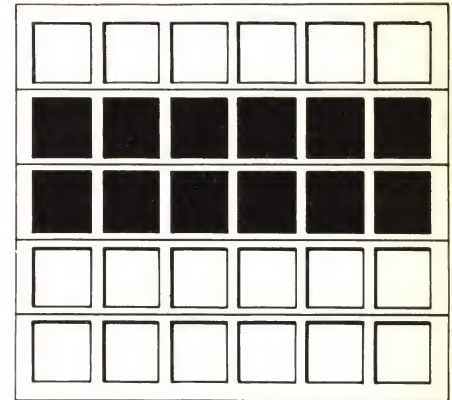
STANDARD

Section Construction

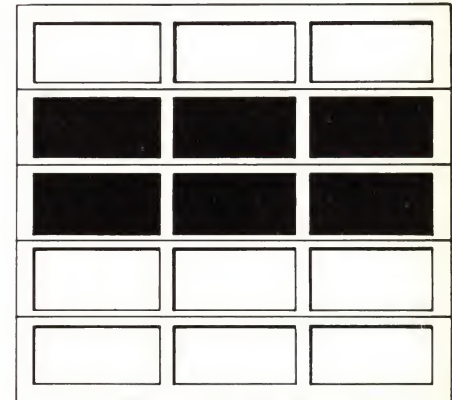
Stiles & Rails are of 1 3/4" Douglas fir, Sitka spruce, or equal. Blind mortised & tenoned, steel dowelled & waterproof glued. Panels are of 1/4" exterior grade 3 ply fir plywood. All sections are sanded both sides, ready for paint. Stop moulding and glass moulding furnished. Any or all sections may be left open for glass. Doors over 12'-6" wide are reinforced with extra deep U-bar stiffeners. Doors 18'-0" wide & over require special rigid truss on bottom section. Doors 20'-0" wide & over, (14'-0" wide with pass door) require center support track. Pass doors can be furnished in doors up to 18'-2" wide with wood bottom rails, up to 16'-2" wide with steel bottom rails.

Panel & Section Schedule

Door Height	No. of Sections	Panel Schedule	No. of Reg. Panels	No. of Wide Panels
Up to 8'-6" High	4	Up to 10'-6" Wide	6	3
8'-7" to 10'-6" High	5	10'-7" to 12'-6" Wide	8	4
10'-7" to 12'-6" High	6	12'-7" to 14'-6" Wide	10	4
12'-7" to 14'-6" High	7	14'-7" to 16'-6" Wide	12	6
14'-7" to 16'-6" High	8	16'-7" to 18'-6" Wide	14	6
16'-7" to 18'-6" High	9	18'-7" to 20'-6" Wide	16	8

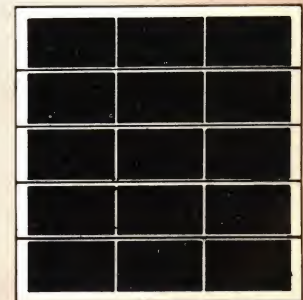
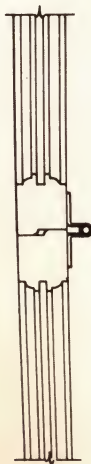


REGULAR PANEL CONSTRUCTION

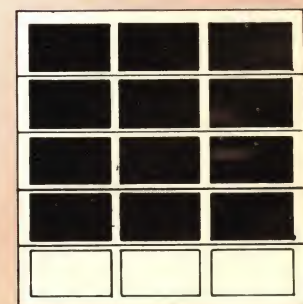


WIDE PANEL CONSTRUCTION

SERVICE STATION



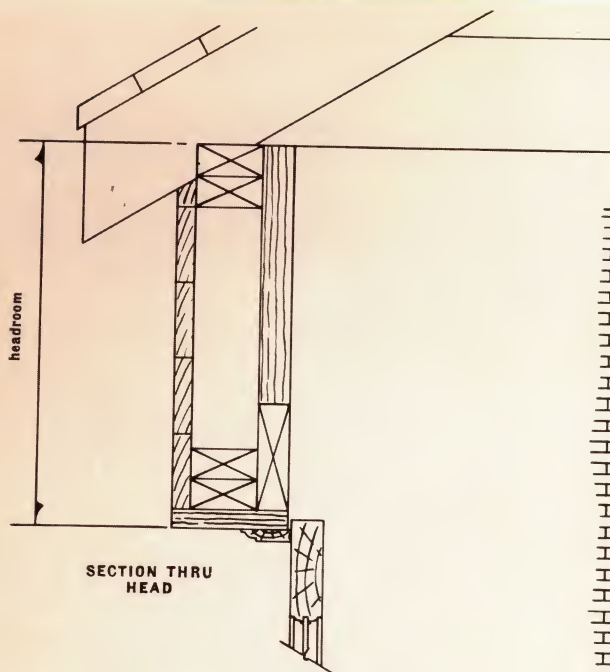
NARROW-LINE CONST.
1" WOOD MUNTINS



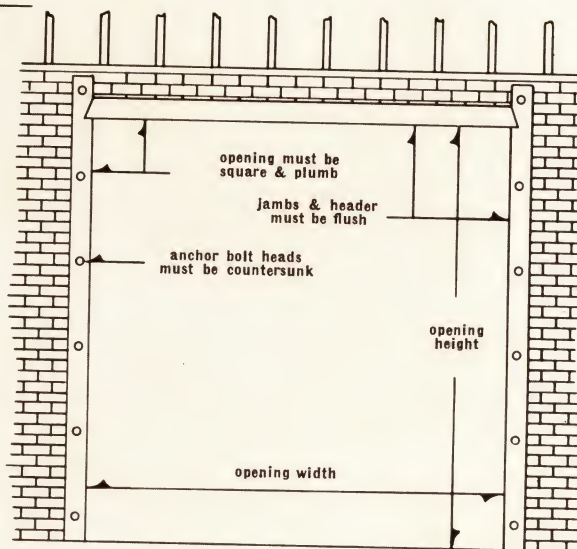
STANDARD SERVICE
STATION CONSTRUCTION

Stiles & rails are of 1 3/4" Douglas fir, Sitka spruce or equal. Blind mortised & tenoned, steel dowelled & waterproof glued. Panels are 1/4" exterior grade 3 ply fir plywood. Rails on doors with Plastic muntins are reinforced with continuous hinges. Limited to sizes not over 10'-8" wide or over 12'-1" high. Rails on doors with 1" wood muntins reinforced with 3/16" x 1" steel bars. Limited to sizes not over 10'-8" wide or over 12'-1" high. Service Station doors also available in regular and wide panel construction. Limited to sizes not over 20'-2" wide or over 13'-1" high, not over 168 sq. ft.

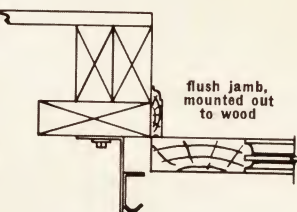
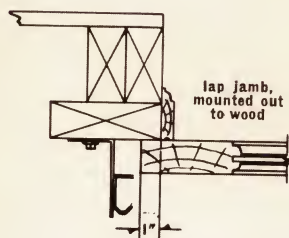
Framing & Jamb Details



SECTION THRU HEAD



FRAMING DETAIL



REPRESENTATIVES

Located:

Alabama
Birmingham
Mobile
Montgomery
Arkansas
Jonesboro
Colorado
Denver
Grand Junction
Connecticut
Bridgeport
Torrington
Hartford
New Britain
New Haven
Waterbury

Delaware
Wilmington
District of Columbia
Washington
Florida
Ormond Beach
Idaho
Boise
Illinois
Aurora
Belleville
Bloomington
Chicago
Decatur
Dixon

East St. Louis
Elgin
Evanston
Freeport
Galesburg
Joliet
Kankakee
Logansport
Moline
Peoria
Quincy
Rockford
Rock Island
Skokie
Springfield
Waukegan
Indiana
Bedford

Bloomington
East Chicago
Fort Wayne
Gary
Hammond
Indianapolis
Logansport
Mitchell
New Albany
South Bend
Whiting
Iowa
Cedar Rapids
Davenport
Des Moines
Mason City
Sioux City

Kansas
Kansas City
Topeka
Wichita
Kentucky
Lexington
Louisville
Maine
Portland
Maryland
Baltimore
Massachusetts
Boston
Brookton
(Avon)
East Hampton
Worcester

Michigan
Battle Creek
Detroit
Flint
Grand Rapids
Jackson
Kalamazoo
Monroe
Saginaw
Missouri
Joplin
Kansas City
Springfield
St. Joseph
St. Louis
Nebraska
Lincoln
Omaha

New Jersey
Atlantic City
Bridgeton
Camden
Elberon
Hammonton
Jersey City
Newark
Passaic
Paterson
Elizabeth
Trenton
Vineland
New Mexico
Albuquerque
New York
Albany

Binghamton
Buffalo
Cortland
New York City
Mineola, L.I.
Rochester
Schenectady
Syracuse
Utica
North Carolina
Asheville
Chapel Hill
Winston-Salem
North Dakota
Bismarck
Fargo

Ohio
Akron
Canton
Cincinnati
Cleveland
Columbus
Dayton
Toledo
Youngstown
Oklahoma
Oklahoma City
Tulsa
Pennsylvania
Allentown
Erie
Harrisburg

Philadelphia
Pittsburgh
Scranton
York
South Carolina
Columbia
South Dakota
Sioux Falls
Tennessee
Knoxville
Memphis
Nashville
Texas
Amarillo
Dallas
Fort Worth
Utah
Salt Lake City

Virginia
Richmond
Roanoke
West Virginia
Charleston
Huntington
Wisconsin
Green Bay
Madison
Milwaukee
Oshkosh
Plattville
Whitewater
Wyoming
Casper

RAYNOR MANUFACTURING COMPANY
Dixon, Illinois Hammonton, New Jersey

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